

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR
Northwest Pipeline Corporation

3. ADDRESS OF OPERATOR
P.O. Box 90, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1680' FNL & 795' FEL
At top prod. interval reported below Same as above
At total depth Same as above

14. PERMIT NO.

DATE ISSUED

U. S. GEOLOGICAL SURVEY

15. DATE SPUDDED 4-3-81 16. DATE T.D. REACHED 4-14-81 17. DATE COMPL. (Ready to prod.) MV 6-29-81 PC 7-6-81

18. ELEVATIONS (OF REE, RT, GR, ETC)* 6755' GR

19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 6165' 21. PLUG, BACK T.D., MD & TVD MV 6114' PC 3830'

22. IF MULTIPLE COMPL., HOW MANY* 2

23. INTERVALS DRILLED BY

ROTARY TOOLS ALL

CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Pictured Cliffs 3602' - 3773' Mesa Verde 5594' - 6016'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

IEL GR/CDL/SNL

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	217'	13-3/4	115 sx	5 bbls
7"	20#	4060'	8-3/4"	165 sx	-

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	3860'	6163'	230	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1-1/4"	3740'	3830'
2-3/8"	5880'	

31. PERFORATION RECORD (Interval, size and number)

PC - 11 - .37" holes from 3602' - 3773'

MV - 21 - .37" holes from 5594' - 6016'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3602'-3773'	7,500 gal treatment fluid
	50,000# 10/20 sand.
5594'-6016'	11,750 gal treatment fluid
	80,000# 20/40 sand.

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
N/A	Flowing	Shut in
DATE OF TEST PC 7-6-81 MV 6-29-81 FLOW. TUBING PRESS. PC 155 MV 130	HOURS TESTED 3 hrs CHOKE SIZE 2"X.750" PROD'N. FOR TEST PERIOD CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)	CV PC 1777 CV MV 2006 AOF MV 2196 AOF PC 2823

34. DISPOSITION OF GAS (Solid, used for fuel, vented, etc.)

Vented

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Donna A. Brace
Donna A. Brace

TITLE Production Clerk

DATE 7-29-81

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOCC

BY Sam

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 16: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement". Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROSITY ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORRELATE INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs	3581'			Ojo Alamo	2925'	
Point Lookout	5885'			Kirtland	3195'	
Total Depth	6165'			Fruitland	3395'	
				Pictured Cliffs	3581'	
				Lewis	3860'	
				Cliff House	5550'	
				Menefee	5640'	
				Point Lookout	5885'	
				Total Depth	6165'	